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HDP/SB/21 based on PTO/SB/21 (08-00)

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/647,807
Filing Date	August 25, 2003
First Named Inventor	Bhanuprasad V. Gorti, et al.
Group Art Unit	
Examiner Name	
Total Number of Pages in This Submission	Attorney Docket Number 0275Y-000668

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Response	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	Form 1449 with 28 Foeign References; and retrun postcard
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application	Remarks	The Commissioner is hereby authorized to charge any additional fees that may be required under 37 CFR 1.16 or 1.17 to Deposit Account No. 02-2548. A duplicate copy of this sheet is enclosed.
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Harness, Dickey & Pierce, P.L.C.	Attorney Name Roland A. Fuller III	Reg. No. 31,160
Signature			
Date	April 30, 2004		

CERTIFICATE OF MAILING/TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service as express mail in an envelope addressed to: Director of the U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450, or facsimile transmitted to the U.S. Patent and Trademark Office on the date indicated below.

Typed or printed name	Andrea Blendea	Express Mail Label No.	EV 406 076 635 US (4/30/2004)
Signature		Date	April 30, 2004

EV 406 076 635 US



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No.: 10/647,807

Filing Date: August 25, 2003

Applicant: Bhanuprasad V. Gorti, et al.

Title: Method and Device for Braking a Motor

Attorney Docket: 0275Y-000668

Director of the United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant hereby submits an Information Disclosure Statement for consideration by the Examiner.

I. **LIST OF PATENTS, PUBLICATIONS, AND OTHER INFORMATION**

The patents, publications and other information requested to be considered by the Office (except unpublished U.S. patent applications) are listed on Form 1449 attached hereto.

II. **COPIES**

A. Submitted herewith is a legible copy of (i) each U.S. patent application publication and U.S. and foreign patent; (ii) each publication or that portion which caused it to be listed; (iii) for each cross-referenced pending U.S. application listed below in Section IV, the application specification including the claims, and any drawing of the application which caused it to be listed including the claims directed to that portion; and (iv) all other information or that portion which caused it to be listed.

B. Any patents, publications or other information which are listed on Form 1449 or on the copies of PTO-892, but which are not enclosed herewith, were previously cited by or submitted to the PTO in one of the following applications which has been relied upon for an earlier filing date under 35 U.S.C. § 120:

U.S. Serial Number

U.S. Filing Date

C. X Because the present application was/is being filed after June 30, 2003, no copies of the U.S. patents or U.S. patent application publications which are

listed on the attached Form 1449 are enclosed pursuant to the waiver of 37 C.F.R. § 1.98(a)(2)(i). Any foreign patent documents or non-patent literature listed on the attached Form 1449 are enclosed herewith.

D. This is a PCT application in the entry of the National Phase in the United States. A copy of the International Search Report is attached for the Examiner's information. The documents listed on the International Search Report are listed on the attached Form-1449 for consideration by the Examiner and for listing on any patent resulting from this application. If the International Search Report was from the US, EPO, or JPO search authorities, copies of these references should have been supplied to the USPTO under the trilateral agreement and are believed to be in the file of the above-identified application. (MPEP 1893.03(g))

III. CONCISE EXPLANATION OF THE RELEVANCE (check at least one box)

A. Except as may be indicated below in (B), all of the patents, publications or other information are in the English language (concise explanation not required).

B. A concise explanation of the relevance of each patent, publication or other information listed that is not in the English language is as follows (see 37 C.F.R. § 1.98(a)(3)):

1. See the attached foreign patent office communication from a counterpart foreign application.

2. English abstracts are provided as indicated on the attached PTO 1449 Form.

3. Other: A brief summary of the following documents that are not in English and for which English translations or English abstracts are not provided are as follows:

50-032423, Toku-kai Sho, Published March 29, 1975 – Describes in general, in a control circuit for an electric motor for powering a vehicle, a motor (2) that is driven when a switch (9) is turned ON. In addition, when the switch (9) is turned OFF and the switch (8) is turned OFF, a control signal from the control circuit (7) is sent to transistors (5) and (6). The transistor (5) is disconnected, the transistor (6) becomes conductive, and motor braking occurs.

54-037214, Toku-kai Sho, Published March 19, 1979 – Describes in general, when a first transistor Q1 is turned ON and a second transistor Q2 is turned OFF, the motor M rotates. When the first transistor Q1 is turned OFF and the second transistor Q2 is turned ON, braking of the motor M occurs.

58-031791, Jitsu, kai Sho, Published March 2, 1983 – Describes in general, a dynamic braking circuit consisting of a resistor 6 and a transistor 18 is connected in parallel to a direct current electric motor 5. When a bi-directional three thyristor 10 for power supply is turned OFF, the transistor 15 turns OFF, and dynamic braking is applied to the direct current motor 5 by the transistor 18 and the resistor 6.

49-079000, Toku-kai Sho, Published July 30, 1974 – Describes in general, in the embodiments, a switch circuit 18 providing a microswitch 16 is connected to a direct current electric motor 10 of an electric screw driver. When the button of the microswitch 16 is pressed and turned ON, the electric motor rotates. When the button is turned OFF, the connection between the electric motor and the power source is interrupted, simultaneously the armature of the electric motor is shorted, and the rotation of the electric motor stops due to the braking action.

57-027791, Jitsu-kai Sho, Published February 13, 1982 – Describes in general, when a switch 2 is turned OFF, the switch detection circuit 8 detects that switch 2 has been turned OFF, and the result is input into a gate control 7. The gate control circuit turns ON a semiconductor switch 6 to brake a direct current electric motor 3.

C. ____ The following additional information is provided for the Examiner's consideration.

IV. CROSS REFERENCE TO RELATED APPLICATION(S)

A. ____ The Examiner is advised that the following co-pending application(s) contain(s) subject matter that may be related to the present application. By bringing this(these) application(s) to the Examiner's attention, Applicant(s) does(do) not waive the confidentiality provisions of 35 U.S.C. § 122.

<u>Serial No.</u>	<u>Filing Date</u>	<u>Art Unit</u>
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V. THIS IDS IS BEING FILED UNDER

A. X 37 C.F.R. § 1.97(b): (check only one box)

1. ____ within three months of the filing date of a national application other than a continued prosecution application under § 1.53(d) (37 C.F.R. § 1.97(b)(1)). No fee or certification is required.
2. ____ within three months of the date of entry of the national stage as set forth in § 1.491 in an international application (37 C.F.R. § 1.97(b)(2)). No fee or certification is required.
3. X before the mailing of a first Office Action on the merits (37 C.F.R. § 1.97(b)(3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below; or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

4. before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. § 1.114. No fee or certification is required.

B. **37 C.F.R. § 1.97(c):** (check only one box)

before the mailing date of either any Final Office Action under 37 C.F.R. § 1.113, a Notice of Allowance under 37 C.F.R. § 1.311, or an action that otherwise closes prosecution.

1. No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

2. See the certification below. No fee is required.

C. **37 C.F.R. § 1.97(d):**

after the mailing date of either a Final Office Action under 37 C.F.R. § 1.113 or a Notice of Allowance under 37 C.F.R. § 1.311, yet on or before payment of the issue fee.

1. See the certification below. A fee in the amount of \$180.00 is required by 37 C.F.R. § 1.17(p).

VI. **CERTIFICATION UNDER 37 C.F.R. § 1.97(e):** (check only one box)

The undersigned hereby certifies that:

A. each item of information contained in this IDS was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(1)). See further statement under 37 C.F.R. 1.704(d) below in section VII, if applicable; or

B. no item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS (See 37 C.F.R. § 1.97(e)(2)).

C. Some of the items of information were first cited in a communication from a foreign patent office. As to this information, the undersigned hereby certifies that each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in this IDS was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned after

making reasonable inquiry, no item of information contained in this IDS was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this IDS.

VII. STATEMENT UNDER 37 CFR 1.704(d)

The undersigned hereby states that:

- each item of information contained in this IDS was cited in a communication from a foreign patent office in a counterpart application and this communication was not received by any individual designated in 37 C.F.R. § 1.56(c) more than thirty days prior to the filing of this IDS.

VIII. PAYMENT OF FEES (check only one box)

- A. A check in the amount of \$180.00 is enclosed for the above-identified fee.
- B. Please charge Deposit Account No. 02-2548 in the amount of \$180.00 for the above-indicated fee. A duplicate copy of this paper is attached.

The above references are being cited only in the interest of candor and without any admission that they constitute statutory prior art, contain matter which anticipates the invention, or which would render the same obvious, either singly or in combination, to a person of ordinary skill in the art. Furthermore, this Information Disclosure Statement shall not be construed as a representation that a search has been made.

If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 02-2548.

Please charge any additional fees or credit any overpayment pursuant to 37 C.F.R. § 1.16 or § 1.17 to Deposit Account No. 02-2548.

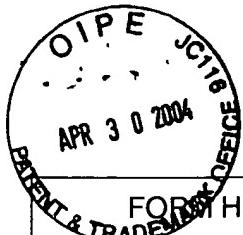
Respectfully submitted,

Dated: April 30, 2004

By: R.A. Fuller III
Roland A. Fuller, III
Reg. No. 31,160

HARNESS, DICKEY & PIERCE, P.L.C.
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Bloomfield Hills, Michigan 48303
(248) 641-1600

RAF/akb



Form HDP-1449 (Based on Form PTO-1449)

**PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE CITIGATION**
(Use several sheets if necessary)

Sheet 1 of 2

ATTORNEY DOCKET No.	SERIAL No.
0275Y-000668	10/647,807
APPLICANT	
Bhanuprasad V. Gorti, et al.	
FILING DATE	GROUP
August 25, 2003	

U.S. PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Name	Class/ Subclass	(If appropriate) Filing Date
1.						

FOREIGN PATENT DOCUMENTS

Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/ Subclass	Translation Yes	No
1.		63-059213	03/15/1988	Japan		Abstract	
2.		50-032423	03/29/1975	Japan			
3.		52-156326	12/26/1977	Japan		Abstract	
4.		53-006815	01/21/1978	Japan		Abstract	
5.		54-037214	03/19/1979	Japan			
6.		55-117480	09/09/1980	Japan		Abstract	
7.		57-170084	10/20/1982	Japan		Abstract	
8.		58-175980	10/15/1983	Japan		Abstract	
9.		58-190290	11/07/1983	Japan		Abstract	
10.		60-046785	03/13/1985	Japan		Abstract	
11.		62-053189	03/07/1987	Japan		Abstract	
12.		62-254679	11/06/1987	Japan		Abstract	
13.		63-039482	02/19/1988	Japan		Abstract	
14.		04-208085	07/29/1992	Japan		Abstract	
15.		05-184174	07/23/1993	Japan		Abstract	
16.		11-215871	08/06/1999	Japan		Abstract	
17.		52-033025	03/12/1977	Japan		Abstract	

Examiner:

Date Considered:

EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM HDP-1449 (Based on Form PTO-1449)		ATTORNEY DOCKET NO.	SERIAL NO.
		0275Y-000668	10/647,807
		APPLICANT	
		Bhanuprasad V. Gorti, et al.	
		FILING DATE	GROUP
		August 25, 2003	
Sheet 2 of 2			

FOREIGN PATENT DOCUMENTS						
Ref. Desig.	Examiner's Initials	Document Number	Date	Country	Class/Subclass	Translation Yes No
18.		58-015473	01/28/1983	Japan		Abstract
19.		58-31791	03/02/1983	Japan		
20.		49-079000	07/30/1974	Japan		
21.		53-035116	04/01/1978	Japan		Abstract
22.		56-060750	05/25/1981	Japan		Abstract
23.		61-295885	12/26/1986	Japan		Abstract
24.		06-038565	02/10/1994	Japan		Abstract
25.		57-027791	02/13/1982	Japan		
26.		2003-250286	09/05/2003	Japan		Abstract
27.		2003-088150	03/20/2003	Japan		Abstract
28.		04-178192	06/25/1992	Japan		Abstract

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)		
Ref. Desig.	Examiner's Initials	
1.		

Examiner:	Date Considered:
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EXAMINER: Please initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.